

WHAT IS CLAIMED IS:

1. An electronic map apparatus comprising:
data fetching means for fetching map data from
media for storing said map data to be displayed as a map;
a display device for displaying said map in
accordance with said map data; and
a microcomputer for processing, to display said map
in a perspective view, data of a circle or an arc which
has a center at a specified point on said map and links
points on said map at equal geographical distances from
said center.

2. An electronic map apparatus comprising:
data fetching means for fetching map data from
media for storing said map data to be displayed as a map;
a display device for displaying said map in
accordance with said map data; and
a microcomputer for processing data of a circle or
an arc which has a center at a specified point on said
map and links points on said map at equal geographical
distances from said center,

wherein said circle or said arc is displayed on
said map displayed on said display device in a
perspective view in accordance with said data processed
by said microcomputer when said map is displayed on said

display device.

3. An electronic map apparatus according to claim 2, wherein said microcomputer processes data of a plurality of said circles or said arcs representing different geographical distances from said center and said circles or said arcs are each superposed on said map displayed in a perspective view.

4. An electronic map apparatus according to claim 3, wherein said microcomputer outputs numbers each indicating a geographical distance from said center to one of said circles or said arcs and displays each of said numbers at a location in close proximity to the circumference of said circle or said arc with a geographical distance thereof indicated by said number.

5. An electronic map apparatus according to claim 3, wherein said microcomputer changes contraction of a map displayed on said display device in a perspective view and modifies said geographical distances from said center to said circles or said arcs and the number of said circles or said arcs in accordance with a degree of contraction of said map.

6. An electronic map apparatus according to claim 2, wherein: said electronic map apparatus is a navigation apparatus mounted on a vehicle; said specified point is

the position of said vehicle; map data of a map including said position of said vehicle is read out from said media; and said map is displayed in a perspective view in accordance with said map data read out from said media.

7. An electronic map apparatus according to claim 2, wherein said specified point is a point on a map specified by a user.

8. An electronic map apparatus according to claim 1, wherein said map is displayed in a perspective view, and a character or a symbol representing a direction is displayed at said specified point.

9. An electronic map display method comprising the steps of:

fetching map data from predetermined media for storing said map data to be displayed as a map;

displaying said map on a display device in a perspective view in accordance with said map data; and

displaying a circle or an arc, which has a center at a specified point on said map and links points on said map at equal geographical distances from said center, on said map displayed on a display device in a perspective view.

10. An electronic map display method according to claim 9, wherein a plurality of said circles or said arcs

representing different geographical distances from said center each displayed on said map displayed in a perspective view.

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11. An electronic map display method according to claim 10, wherein numbers each indicating a geographical distance from said center to one of said circles or said arcs are displayed at a location in close proximity to the circumference of said circle or said arc.

12. An electronic map display method according to claim 10, wherein said geographical distances from said center to said circles or said arcs and the number of said circles or said arcs are changed in accordance with a degree of contraction of said map.

13. An electronic map display method according to claim 9, wherein: the position of a vehicle on which a navigation apparatus is mounted is specified as said specified point; map data of a map including said position of said vehicle is read out from said media; and said map is displayed in a perspective view in accordance with said map data read out from said media.

14. An electronic map display method according to claim 9, wherein a point on a map is specified by a user as said specified point.

15. An electronic map display method according to

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DATE	DESCRIPTION	AMOUNT	BALANCE
10/1/00	OPENING BALANCE	100.00	100.00
10/15/00	PAYROLL	50.00	50.00
10/20/00	RENT	25.00	25.00
10/25/00	SALES	75.00	100.00
10/30/00	PAYROLL	50.00	50.00
11/5/00	RENT	25.00	25.00
11/10/00	SALES	75.00	100.00
11/15/00	PAYROLL	50.00	50.00
11/20/00	RENT	25.00	25.00
11/25/00	SALES	75.00	100.00
11/30/00	PAYROLL	50.00	50.00
12/5/00	RENT	25.00	25.00
12/10/00	SALES	75.00	100.00
12/15/00	PAYROLL	50.00	50.00
12/20/00	RENT	25.00	25.00
12/25/00	SALES	75.00	100.00
12/30/00	PAYROLL	50.00	50.00
1/5/01	RENT	25.00	25.00
1/10/01	SALES	75.00	100.00
1/15/01	PAYROLL	50.00	50.00
1/20/01	RENT	25.00	25.00
1/25/01	SALES	75.00	100.00
1/30/01	PAYROLL	50.00	50.00
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2/10/01	SALES	75.00	100.00
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2/25/01	SALES	75.00	100.00
2/28/01	PAYROLL	50.00	50.00
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3/10/01	SALES	75.00	100.00
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3/25/01	SALES	75.00	100.00
3/30/01	PAYROLL	50.00	50.00
4/5/01	RENT	25.00	25.00
4/10/01	SALES	75.00	100.00
4/15/01	PAYROLL	50.00	50.00
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4/25/01	SALES	75.00	100.00
4/30/01	PAYROLL	50.00	50.00
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5/10/01	SALES	75.00	100.00
5/15/01	PAYROLL	50.00	50.00
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5/25/01	SALES	75.00	100.00
5/30/01	PAYROLL	50.00	50.00
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6/10/01	SALES	75.00	100.00
6/15/01	PAYROLL	50.00	50.00
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6/25/01	SALES	75.00	100.00
6/30/01	PAYROLL	50.00	50.00
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7/10/01	SALES	75.00	100.00
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7/25/01	SALES	75.00	100.00
7/30/01	PAYROLL	50.00	50.00
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8/10/01	SALES	75.00	100.00
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8/30/01	PAYROLL	50.00	50.00
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9/10/01	SALES	75.00	100.00
9/15/01	PAYROLL	50.00	50.00
9/20/01	RENT	25.00	25.00
9/25/01	SALES	75.00	100.00
9/30/01	PAYROLL	50.00	50.00
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10/15/01	PAYROLL	50.00	50.00
10/20/01	RENT	25.00	25.00
10/25/01	SALES	75.00	100.00
10/30/01	PAYROLL	50.00	50.00
11/5/01	RENT	25.00	25.00
11/10/01	SALES	75.00	100.00
11/15/01	PAYROLL	50.00	50.00